# INSTALLATION, MAINTENANCE AND USE INSTRUCTIONS FOR FREE-STANDING COOKERS 90x60 cm (type M91/M91V)

# Model X906MFE* , X906 DUAL*, X906GEV*

**READ THE INSTRUCTION BOOKLET BEFORE INSTALLING AND USING THE APPLIANCE.**

**The manufacturer will not be responsible for any damage to property or to persons caused by incorrect installation or improper use of the appliance.**

The manufacturer is not responsible for any inaccuracies, due to printing or transcription errors, contained in this booklet. In addition, the appearance of the figures reported is also purely indicative.
The manufacturer reserves the right to make changes to its products when considered necessary and useful, without affecting the essential safety and operating characteristics.

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**THIS APPLIANCE HAS BEEN DESIGNED FOR NON-PROFESSIONAL DOMESTIC USE.**

# INSTALLER TECHNICAL MANUAL

**By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product.**

**The symbol on the product indicates that this product may not be treated as household waste. Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment.**

**Disposal must be carried out in accordance with local environmental regulations for waste disposal. For more detailed information about treatment, recovery and recycling of this product, please contact your local city council office.**

## INSTALLER INFORMATION

**The installation, all adjustments, transformations and maintenance listed in this part of the manual must be carried out only by skilled personnel.**
**Improper installation may cause damage to persons, animals or property, for which the manufacture will not be held responsible.**
**The appliance safety or automatic adjustment devices may be changed during the service life of the system only by the manufacturer or by the duly authorised supplier.**

## INSTALLING THE COOKER

After having removed the various loose parts from the internal and external packing, make sure that the cooker is not damaged. In case of doubt, do not use the appliance and contact skilled personnel.
**Keep all the dangerous packing parts (polystyrene foam, bags, cardboard, staples, etc.) away from children.**
The appliance can be installed as a freestanding unit, next to a wall or inserted between two walls (Fig.1,). A single sidewall that exceeds the height of the work surface is possible. This must be at a minimum distance of 70 mm from the edge of the cooker (Fig.1)
Any walls of the adjacent furniture pieces and the wall behind the cooker must be made with heat-resistant material that can withstand a minimum overtemperature of 65 K.
**WARNING: the connection to the gas network must only use metal flexible pipes that conform with the national standards in force.**

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## MPORTANT INFORMATION FOR INSTALLING THE APPLIANCE

**The cooker can be installed separately, as a freestanding unit, on a plinth (Not suitable for X90 6 GEV* and X90 6 DUAL* models), or between kitchen units or between a kitchen unit and the wall.**
**If installing the appliance as a freestanding cooker, screw the height adjustable telescopic legs supplied to the base of the appliance. If installing the appliance on a plinth, screw the levelling feet supplied to the base of the appliance.**
**This appliance is not connected to devices which exhaust combustion products.**
**Special attention must be focused on the prescriptions described below regarding room aeration and ventilation. Any hanging cabinets installed above the work surface must be located at a distance of no less than 700 mm.**
**This appliance is not intended to be operated by means of an external timer or separate remote-control system.**

**NOT FOR USE IN MARINE CRAFT, CARAVANS OR MOBILE HOMES UNLESS EACH BURNER IS FITTED WITH FLAME SAFEGUARD.**

**WHERE THIS APPLIANCE IS INSTALLED IN MARINE CRAFT OR IN CARAVANS, IT SHALL NOT BE USED AS A SPACE HEATER.**

**WARNING: SERVICING SHOULD BE CARRIED OUT ONLY BY AUTHORISED PERSONNEL.**

**DO NOT MODIFY THIS APPLIANCE.**

## ROOM VENTILATION

To ensure that the appliance operate correctly, the room where it is installed must be continuously ventilated. The room volume should not be less than 25 $m^3$ and the quantity of air needed shall be based on the regular combustion of gas and on the ventilation of the room. Natural air will flow through permanent openings in the walls of the room to be ventilated: these openings will be connected with the outside environment and shall have a minimum cross-section defined by the current national standards regarding room ventilation (see Fig. 3).
These openings shall be built so that they cannot be clogged.
Indirect ventilation is also permitted by taking air from the rooms adjacent to the one to be ventilated.

## LOCATION AND AERATION

The gas cooking appliances must always evacuate the combustion products by means of hoods connected to chimneys, flues or directly outside (see Fig. 4). If a hood cannot be installed, it is possible to use a fan installed on a window or directly facing outdoors, to be operated together with the appliance (see Fig. 5), provided that there is strict compliance with the ventilation regulations.

## HEIGHT ADJUSTABLE LEGS (Fig.6)

Legs are packed in the top box.
Legs should be installed with the appliance being near the location of final installation, they are not secure for long transport. After unpacking the range, raise it about a foot to insert the legs in their bases assembled on the lower part of the cooker and lower the range gently to keep any undue strain from legs and mounting hardware. It is recommended to use a pallet or lift jack instead of tilting the unit.

## BACKGUARD INSTALLATION INSTRUCTION

1) Remove n°2 screws fixing worktop as shown in fig.7
2) Place front part of the backguard and attach it from bottom side with the two removed screws (point 2) as shown in fig .8
3) Fix the front part of the backguard with the screws supplied with the backguard kit (fig.9)
4) Assemble back part with front part of the backguard and fix them with a screws supplied with the backguard kit (fig.10)

## APPLIANCE GAS CONNECTION

**Before connecting the appliance to the gas network, make sure that the data on the label attached to the food warmer drawer or on the back of the cooker are compatible with what is indicated for the gas distribution network.**
**A label attached to the last page of this handbook and in the food warmer drawer (or on the back) of the appliance indicates the appliance adjustment conditions: type of gas and operating pressure.**
**IMPORTANT: This appliance must be installed in compliance with current national standards in force and used only in a well-ventilated room.**

**This appliance shall be installed only by authorised persons and in accordance with the manufacturer's installation instructions, local gas fitting regulations, municipal building codes, electrical wiring regulations, local water supply regulations, AS/NZS 5601.1-2010-Gas Installations–General installations and any other statutory regulations.**

**WARNING: It should be recalled that the appliance utilises a threaded 1/2" gas cylindrical male fitting according to UNI-ISO 228-1.**

For ease of service, the cooker should be connected with a Flexible Hose, which complies with AS/NZS 1869 (AGA Approved), 10mm ID, class B or D, between 1 - 1.2m long and in accordance with AS5601 for a high level connection.

**WARNING:** Ensure that the hose is not subjected to abrasion, kinking or permanent deformation and should be able to be inspected along its entire length. Unions compatible with the hose fittings must be used and connections tested for gas leaks. The fixed consumer piping outlet should be at approximately the same height as the cooker connection point, pointing downwards and approximately 200mm - 300mm in from the left hand side of the cooker. The hose should be clear of the floor when the cooker is in the installed position. A hose restraint chain should be anchored to the wall to prevent strain on the hose connections when the cooker is pulled forward.

Fit the supplied gas connectors as shown in Fig. 11 for your installation gas type. The gas inlet has a 1/2" BSP male thread. When making the connection, take care not to apply excessive stress by counterbalancing tightening force. Ensure that the available gas supply is the same as the gas type label affixed near the gas connection point. If not, contact Bertazzoni for a Gas Conversion Kit.

**Natural Gas**
The natural gas regulator supplied must be fitted for natural gas. Ensure the arrow on the regulator points towards the direction of the gas flow. *Commissioning Procedure* - The test point pressure must be adjusted to 1.00 kPa with the Wok Burner (both inner and outer), 1× Semi Rapid and Rapid Burner operating on maximum flame.

**Propane (LPG)**
Fit the LPG test point assembly (supplied in the gas conversion kit). An AGA Approved gas regulator suitable for a supply pressure of 2.75kPa should be part of the gas tank supply.

## ANTI-TILTING CHAIN/HOSE RESTRAINING CHAIN

A chain should be fitted by the installer within 50mm of the hose connection point to prevent strain on the hose when the cooker is pulled forward. The chain should restrict the appliance movement to no more than 80% of the hose length. After the chain is installed, check that there is no strain on the hose or gas connections when the cooker is pulled as far forward as the chain allows.

The cooker is also supplied with two chains which are connected to the rear left and right of the appliance. The chains should be connected to the wall directly behind the chains as low as possible to prevent the appliance from tilting forward. If the appliance is installed between two cupboards, drill a hole on each side of the cupboards, pass the chains through the holes and anchor the chains within each cupboard. Ensure the chain connections are strong enough to support the weight of the appliance and taught to prevent it from tilting forward.

WARNING: In order to prevent accidental tipping of the appliance, for example a child climbing onto the open oven door, the stabilising means must be installed. Ensure the chains are correctly anchored to prevent the appliance from tilting forward and to prevent strain on the hose when the cooker is pulled forward.

MAKE SURE THE ANTI-TILTING CHAINS ARE TAUGHT WHEN ANCHORED TO PREVENT THE APPLIANCE TILTING.

## ADAPTATION TO DIFFERENT TYPES OF GAS FOR COOKER TYPE M6V

**Before performing any maintenance operation, disconnect the appliance from the gas supply and electricity network.**

**REPLACING THE NOZZLES TO OPERATE WITH ANOTHER TYPE OF GAS FOR COOKER TYPE M6V:**
**Follow the instructions below to change the burner nozzles on the work surface:**
1) Pull out the plug from the electric outlet to avoid any type of electric contact.
2) Remove the grids from the work surface.
3) Remove the burners.
4) Unscrew the nozzles using a 7 mm spanner, and replace them (Fig.12) with those needed for the new type of gas according to what is indicated in Table 1.
**Follow the instructions below to change the oven burner nozzle:**
1) Remove the oven level (Fig. 13).
2) Loosen the screw **V** and pull out the burner from the support being careful not to damage the ignition plug and the thermocouple (Fig. 14).
3) Unscrew the nozzle **R** using a 10 mm spanner and replace it with the nozzle needed for the new type of gas according to what is indicated in Table 1

**WARNING: After completing the above-mentioned replacements, the technician must adjust the burners, as described in the paragraph below, seal any adjustment and pre-adjustment devices and apply the label on the appliance, to replace the existing one, corresponding to the new gas adjustment. This label is contained in the spare nozzle bag.**

TABLE N°1: Adaption to various types of gas

| Burner | Types of Gas | Pressure | Nozzle Diameter | Hourly Gas Consumption |
|---|---|---|---|---|
| | | kPa | mm. | (MJ) |
| Auxiliary | NG<br>LP (Propane) | 1.0<br>2.75 | 0.92<br>0.56 | 4.2<br>4.0 |
| Semi-Rapid | NG<br>LP (Propane) | 1.0<br>2.75 | 1.17<br>0.73 | 6,6<br>6,9 |
| Rapid | NG<br>LP (Propane) | 1.0<br>2.75 | 1.55<br>0.98 | 11.5<br>12.3 |
| Dual Inner | NG<br>LP (Propane) | 1.0<br>2.75 | 0.80<br>0.50 | 3.1<br>3.1 |
| Dual Outer | NG<br>LP (Propane) | 1.0<br>2.75 | 2x1.14<br>2x0.73 | 12.5<br>13.9 |
| Oven | NG<br>LP (Propane) | 1.0<br>2.75 | 1.80<br>1.10 | 16.0<br>16.0 |

## BURNER ADJUSTMENT

**2) Burner "MINIMUM" adjustment:**
**Work surface burner adjustment**: follow the instructions below to adjust the work surface burner minimum:
1) Light the burner and set the knob to the MINIMUM position (small flame).
2) Remove the knob of the valve that is press fit on the rod of that valve.
3) If the cooker is not equipped with safety valves on the surface burners, insert a small slotted screwdriver into the hole on the valve rod (Fig. 15) and turn the choke screw to the right or left until the burner flame is adjusted to minimum. If the cooker is equipped with safety valves, the choke valve is not located in the rod hole, but on the valve body (see fig. 16).
4) Make sure that the flame does not go out when switching quickly from the MAXIMUM to the MINIMUM position.
**Oven burner adjustment**: follow the instructions below to adjust the minimum:
1) Light the burner setting the knob to the MAXIMUM position.
2) Close the oven door and operate the oven for at least 10 minutes.
3) Set the knob to the MINIMUM position (corresponding to 120°) and then remove it.
4) With a slotted screwdriver turn the choking screw (see figure 17) and, while observing the flame at the same time through the cooker porthole, evaluate the consistency of the flame so it remains on when switching quickly from the MINIMUM to the MAXIMUM position.

**WARNING: The above-mentioned adjustment should be made only with methane gas burners, while for those operating with liquid gas the screw must be locked at the end in a clockwise direction. The grill burner always operates at maximum and therefore no minimum adjustment is required.**

## APPLIANCE ELECTRIC CONNECTION:

**The electric connection must comply with the current legal standards and regulations.**
Before making the connection, check that:
- The system electrical rating and the current outlets are adequate for the maximum power output of the appliance (see the label applied to the bottom of the casing).
- The outlet or the system is equipped with an efficient ground connection in accordance with the current legal standards and regulations. The company will not be responsible for the non-compliance with these instructions.

**When the connection to the power supply network is made using an outlet:**
- If the power cord is supplied without a plug, apply a standard plug that is suitable for the load indicated on the label. Connect the wires according to the diagram shown in FIG.18 and check that:

**letter L (phase) = brown wire;**
**letter N (neutral) = blue wire;**
**ground symbol ⏚ = green-yellow wire;**
- The power cord must be positioned so that an overtemperature of 75 K will not be reached at any point.
- Do not use reductions, adapters or splitters since they might cause false contacts and lead to dangerous overheating.

**When the connection is made directly to the electric network:**
- Use a device that ensures disconnection from the mains in which the contacts are opened to a distance that permits complete disconnection according to the conditions for over-voltage category III.
- Remember that the ground wire must not be interrupted by the circuit-breaker.
- As an alternative, the electric connection can also be protected by a high-sensitivity residual current circuit-breaker.
- It is highly recommended to attach the special green-yellow ground wire to an efficient ground system.

**WARNING: If the power cord is replaced, the ground wire (yellow-green) connected to the terminal, should be longer than the other wires by about 2 cm.**

**WARNING: If the supply cord is damaged, it must be replaced by the manufacturer or its service agent or a similarly qualified person in order to avoid a hazard.**
**For New Zealand -** This cooking range must be connected to the supply by a supply cord fitted with an appropriately rated plug that is compatible with the socket-outlet fitted to the final sub-circuit in the fixed wiring that is intended to supply this cooking range.

## TABLE N°3 : **TYPES OF POWER CORDS**

| Work surface operation | Oven operation | Cross section |
|---|---|---|
| Only gas burner | Gas oven electric grill | H05VV-F 3x1,5mm² |
| | Ventilated Electric Oven | H05VV-F 3x1,5mm² |

### BEFORE LEAVING

When the installation is complete, always check for gas leaks using a soapy solution. Never use a flame to make this check.
Ignite all burners on high flame to ensure correct operation of gas valves, burners and ignition. Turn gas taps to low flame position and observe each burner to ensure they ignite completely at all ports and that the flame is stable. Conduct these checks for each burner individually and concurrently.
When satisfied with the appliance, please instruct the user on the correct method of operation. In case the appliance fails to operate correctly after all checks have been carried out, please call the Bertazzoni Service Centre.

### APPLIANCE MAINTENANCE
### ATTENTION: IMPORTANT WARNINGS

**For cookers resting on a base**
ATTENTION: If the cooker rests on a base, take the measures necessary to prevent the cooker from sliding along the support base.

**For cookers with glass covers**
ATTENTION: Before opening the appliance's glass cover, carefully remove all liquid residues from the top of it.
ATTENTION: Before closing the appliance's glass cover, make sure that the work surface has cooled.

**For cookers with electric ovens**
During use, the appliance becomes hot. Care should be taken to avoid touching heating elements inside the oven.

**For cookers with electric ovens**
WARNING: Accessible parts may become hot during use. To avoid burns, young children should be kept away.

**For the food warmer compartment (or drop leaf in our case)**
ATTENTION: The internal parts of the food warmer can become hot during use.

**For glass doors**
Do not use harsh abrasive cleaners or sharp metal scrapers to clean the oven door glass since they can scratch the surface, which may result in shattering of the glass.

**Do not use steam cleaners to clean the appliance.**

### REPLACING PARTS

**Before performing any maintenance operation, disconnect the appliance from the gas supply and electricity network.**
To replace parts such as knobs and burners, just remove them from the seats without disassembling any part of the cooker.
To replace parts such as nozzle supports, valves and electric components follow the procedure described in the burner adjustment paragraph. To replace the valve or the gas thermostat, it is also necessary to disassemble the two rear gas train brackets, loosening the 4 screws (2 per bracket) that attach it to the rest of the cooker and, unscrew the nuts that attach the front burner valves to the control support, after removing all the knobs. To replace the gas or electric thermostat, also disassemble the rear cooker guard, loosening the relative screws, to be able to pull out and reposition the thermostat bulb.
To replace the oven bulb, just unscrew the protection cap that projects out inside the oven. (Fig.19)
**WARNING: Ensure the appliance is switched off before replacing the lamp to avoid the possibility of electric shock.**
**WARNING**: The power cord supplied with the appliance is connected to that appliance with a type **Y** connection (in compliance with standards EN 60335-1, EN 60335-2-6 and subsequent amendments) for which it must be replaced by the manufacturer or its service agent or a similarly qualified person in order to avoid a hazard.
If the power cord becomes worn or damaged, replace it based on the information reported in table 3 .
**WARNING: If the power cord is replaced, the installer shall ensure that the ground cable is longer than the phase cables and also shall comply with the warnings regarding the electric connection.**

To replace the power cable, lift the terminal board's cover and replace the cable. To access the terminal board in cookers with a 3x2.5mm² cable, the back panel on the rear of the appliance must be removed.

## USE AND MAINTENANCE MANUAL

**WARNING: This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.**

**WARNING: Children should be supervised to ensure that they do not play with the appliance.**

**DO NOT USE OR STORE FLAMMABLE MATERIALS IN THE APPLIANCE STORAGE DRAWER OR NEAR THIS APPLIANCE.**

**DO NOT SPRAY AEROSOLS IN THE VICINITY OF THIS APPLIANCE WHILE IT IS IN OPERATION.**

**DO NOT STORE OR USE FLAMMABLE LIQUIDS OR ITEMS IN THE VICINITY OF THIS APPLIANCE.**

**WHERE THIS APPLIANCE IS INSTALLED IN MARINE CRAFT OR IN CARAVANS, IT SHALL NOT BE USED AS A SPACE HEATER.**

**WARNING: SERVICING SHOULD BE CARRIED OUT ONLY BY AUTHORISED PERSONNEL.**

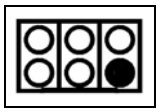
**DO NOT MODIFY THIS APPLIANCE.**

**Table 4 GAS BURNER DIMENSION (fig.21-22)**

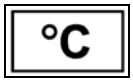
| Burner | Dimension (mm) |
|---|---|
| Auxiliary | Ø 50 |
| Semi-rapid | Ø 70 |
| Rapid | Ø 95 |
| Dual | Ø 140 |

## CONTROL PANEL DESCRIPTION

On the control panel, small symbols show the function of each knob or key. Here as follows are the several controls that a cooker can have:

the symbol  shows the disposition of burners on the worktop, the full dot identifies the burner in object (in this case the front burner on the right).

the symbol shows the running of any oven (ventilated gas oven with electric grill, 9 positions switch)

the symbol 

shows the electric thermostat for electric oven

## USING BURNERS

A diagram is etched on the control panel above each knob which indicates which burner corresponds to that knob. The burners can be ignited in different ways depending on the type of appliance and its specific characteristics:

**- Manual lighting (it is always possible even when the power is cut off):** Turn the knob anticlockwise that corresponds to the burner selected, setting it to the MAXIMUM position at the etched star (large flame Fig.23) and place a lit match up to the burner.

**- Electric ignition:** Turn the knob counterclockwise that corresponds to the burner selected, setting it to the MAXIMUM position (large flame Fig. 23) and keep on pressing the knob in correspondence of the ignition symbol marked with a star (for cookers equipped with ignition trough knob) or press the ignition button marked with a star and release it as soon as the burner has ignited.

**- Burner ignition equipped with safety device (thermocouple)(fig.24):** Turn the knob anticlockwise that corresponds to the burner selected, setting it to the MAXIMUM position at the etched star (large flame Fig. 23), press the knob and activate one of the above-mentioned ignition devices. Once ignited, keep pressing the knob for about 10 seconds to allow the flame to heat the thermocouple. If the burner goes out after releasing the knob, repeat the entire operation.

Note: It is recommended not to try to ignite a burner if the relative flame cap is not in the correct position.

If the flame does not light after the first attempt, wait 5 minutes for the gas to dissipate before attempting to re-light the burner.

**Tips for using burners correctly:**
- Use suitable pots for each burner (see tab. 4 and Fig. 25).
- When the liquid is boiling, turn the knob to the MINIMUM position (small flame Fig. 23).
- Always use pots with a cover.

TABLE N°5

| BURNER | PAN DIAMETER recommended (cm) |
|---|---|
| Auxiliary | 12-14 |
| Semi-rapid | 14-26 |
| Rapid | 18-26 |
| Dual | 22-26 |

**ATTENTION: Use pots with a flat bottom**

**WARNING: If the power is cut off, the burners can be lit with matches. When cooking foods with oil and fat, which are very flammable, the user should not leave the appliance unattended. If the appliance is equipped with a glass cover, such a cover may break when heated. Turn off all burners before lowering the cover. Do not use sprays near the appliance when it is being used. When using the burners, make sure that the handles of the pots are correctly positioned. Keep children away from the appliance. If equipped with a cover, before being closed, any food deposits should be cleaned off the built-in surface.**
**NOTE: The use of a gas cooking appliance produces heat and humidity in the room where it is installed. Therefore, proper aeration in the room is needed while ensuring that natural ventilation openings remain unobstructed (Fig.3) and activating the mechanical aeration device/exhaust hood or electric fan (Fig. 4 and Fig. 5). Intensive and continuous use of the appliance may require additional aeration, for example by opening a window, or more efficient aeration by increasing the power of the mechanical exhauster, if installed.**

## USING THE GAS OVEN

**GAS OVEN:**
All the gas oven cookers are equipped with a thermostat and safety device to adjust the cooking temperature. The oven temperature is set by turning the knob counterclockwise to match the indicator with the temperature selected. The gas oven can be combined with a gas grill or an electric grill. See the specific pages for use information.
**FAN GAS OVEN:**
Operating the fan of the oven by means of the appropriate switch situated on the control panel, the circulation of warm air guarantees a uniform heat distribution. The preheating of the oven can be avoided. However for delicate baking, it is preferable to warm the oven before introducing the baking-pan. The baking system with the fan convection changes in part the various traditional baking notions. When roasting meat it is not necessary to turn the meat any more and for a roast on the spit, it is not indispensable to use the spit-roaster,
but is sufficient to put the meat directly on the grate.
With the use of the fan gas oven, the baking temperatures are slightly lower of about 10-15°C compared to those in use with the traditional gas oven. The fan operation of the oven prevents the operation of the electric grill, which therefore cannot be used with the fan in action.
The oven can also be used in a traditional way, (by not activating the fan) for foods requiring heat from the bottom, e.g. pizza.
**WARNING: If the burner flames are extinguished accidentally, turn off the control knob and do not try to relight the oven until after at least 1 minute.**

TABLE N°6

| THERMOSTAT SETTING | TEMPERATURE °C |
|---|---|
| 1 | 120°C |
| 2 | 140°C |
| 3 | 160°C |
| 4 | 180°C |
| 5 | 200°C |
| 6 | 225°C |
| 7 | 245°C |
| 8 | 270°C |

The oven burner can be ignited in different ways:
**- Manual lighting** (it is always possible even when the power is cut off):
To light the oven, open the oven door and turn the knob so the 260°C on the scale matches the indicator (fig.26). At the same time put a lit match next to the ignition tube that is visible on the oven level (fig.27). Then press the thermostat knob (this makes the gas start to flow) and keep it pressed, after the burner has been completely lit, for 10 seconds. Release the knob and make sure that the burner remains on, otherwise repeat the operation.
**- Electric ignition** (only for the models equipped with this device):
In this case, first open the oven door, then turn the knob to the maximum temperature setting (260°C). Then press the thermostat knob (models with ignition trough knob). Wait about 10 seconds after the burner has been completely lit and

then release the knob. Make sure that the burner remains on, otherwise repeat the operation. As for cookers without ignition trough knob, press the thermostat knob and the key with the spark symbol, wait about 10 seconds after the burner has been completely lit and then release the knob. Make sure that the burner remains on, otherwise repeat the operation.

**The ignition device should not be used for more than 15 seconds. If after that period the burner still has not been lit, do not use the device and open the door of the room or wait at least 60 seconds before trying to light the oven again.**

**WARNING: when trying to light the oven, the door must always be open. When using the oven, leave the cooker cover open to prevent it from overheating.**

**NOTICE: when using the oven for the first time it should be operated for 15-30 minutes at a temperature of about 250° without cooking anything inside in order to eliminate any moisture and odours from the internal insulation.**

During normal oven use, after lighting the burner and setting the desired temperature, wait about 15 minutes before putting in any food to preheat the oven.

The oven is equipped with 4 guides at different heights level (fig.28a) which can be used to insert shelves or the tray. To keep the oven as clean as possible it is recommended to cook meat on the tray or on the shelf that has been inserted inside the tray. The table below lists the general cooking times and the position of the tray for different types of foods. Personal experience will help to determine any variations in the values reported in the table. In any case, it is recommended to follow the instructions of the specific recipe being used.

Temperatures between brackets are referred to the use of oven with fan assisted gas.

TABLE N°6

| GAS OVEN COOKING TABLE | | | |
|---|---|---|---|
| | **TEMP °C** | **HEIGHT** | **MINUTES** |
| **MEAT** | | | |
| PORK ROAST | 220 (210) | 3 | 60-70 |
| BEEF ROAST (YOUNG STEER) | 250 (240) | 3 | 50-60 |
| BEEF ROAST | 240 (230) | 3 | 60-70 |
| VEAL ROAST | 220 (210) | 3 | 60-70 |
| LAMB ROAST | 220 (210) | 3 | 45-55 |
| ROAST BEEF | 230 (230) | 3 | 55-65 |
| ROAST HARE | 235 (225) | 3 | 40-50 |
| ROAST RABBIT | 220 (210) | 3 | 50-60 |
| ROAST TURKEY | 235 (225) | 3 | 50-60 |
| ROAST GOOSE | 225 (215) | 3 | 60-70 |
| ROAST DUCK | 235 (225) | 3 | 45-60 |
| ROAST CHICKEN | 235 (225) | 3 | 40-45 |
| | | | |
| **FISH** | 200-225 (190-215) | 2 | 15-25 |
| | | | |
| **PASTRY** | | | |
| FRUIT PIE | 220 (210) | 2 | 35-40 |
| TEA CAKE | 190 (180) | 2 | 50-55 |
| BRIOCHES | 175 (165) | 2 | 25-30 |
| SPONGE CAKE | 235 (225) | 2 | 20 |
| RING CAKE | 190 (180) | 2 | 30-40 |
| SWEET PUFF PASTRIES | 220 (210) | 2 | 20 |
| RAISIN LOAF | 220 (210) | 2 | 15-20 |
| STRUDEL | 180 (170) | 2 | 15-20 |
| SAVOIA COOKIES | 190 (180) | 2 | 15 |
| APPLE FRITTERS | 220 (210) | 2 | 20 |
| SAZOIARDI SANDWICH | 220 (210) | 2 | 20-30 |
| TOAST SANDWICH | 250 (240) | 3 | 5 |
| BREAD | 220 (210) | 2 | 30 |
| PIZZA | 220 (210) | 2 | 20 |

## USING THE ELECTRIC THERMOSTAT

The thermostat supplied with the relative models maintains a constant temperature inside the oven at a specific temperature setting ranging from 50°C to 250°C.(fig.29)

Turn the knob clockwise and align the selected temperature indicated on the ring with the index etched on the control panel. Thermostat operation is indicated by an orange light which will turn off when the temperature inside the oven is 10°C greater than the temperature setting, and will turn on when the oven is 10°C less than the temperature setting. The thermostat can control the oven elements only if the relative switch is in one of the possible oven element operating modes: if the switch is in position 0, the thermostat has not effect on the oven elements, which remain off.

## USING THE 2 + 0 SWITCH (fig.30)
## (only cooker with gas oven and electric grill)

- the symbol indicates that the electric fan, and the oven light have been turned on .

- the symbol indicates that only the oven light is turned on;

## USING THE 5 + 0 SWITCH
## ( only cooker with Dual Enrgy oven)

The 5 + 0 switch installed in the Dual Energy oven models is used, along with the electric or gas thermostat.
To control the electric fan and the oven elements since they can be turned on by turning the 5 + 0 switch knob and the thermostat knob. Turning just one of the two knobs will not have any effect on the oven except to turn on the oven light or the electric fan when
In combination with the electric thermostat, it is used for controlling in parallel with the thermostat the convection fan and the related oven heating resistance since for being able to put in operation the convection fan and the resistance both the 5+0 switch knob and the thermostat knob have to be turned on; by turning only one of the two knobs, no effect will result on oven operation except only for lamp or fan when switched on. Electric oven is heated by two resistances: one upper resistance and one circular resistance; by turning the switch knob (fig. 31) the resistance referred to the symbol printed on the knob ring will be switched on but in order to put it in operation the thermostat knob has to be turned until the orange light on will confirm that resistance is in operation. By turning the switch knob on one of the 5 operation mode the lamp will be switched on simultaneously with the related resistance. Once the temperature and the type of resistance are selected, the operation of the resistance will be controlled by the thermostat. It is therefore accepted that during operation the orange light will switch on and off.
To turn off the electric oven set the switch knob to position 0 to prevent the thermostat from controlling the elements. Setting the thermostat knob to position 0 turns off the elements but it is still possible, using the switch, to turn on the electric fan and the oven light.

The switch has 5 different fixed positions corresponding to 5 different types of oven operation:

- the symbol indicates that only the oven light is turned on;
- the symbol indicates that the circular element (3000W) and the electric fan have been turned on;
- the symbol indicates that the grill element (2500W) and the electric fan have been turned on;
- the symbol indicates that only the grill element (2500W) has been turned on
- the symbol indicates that only the electric fan has been turned on.

When the knob is set to one of these five positions, the oven light is always on, thus indicating that the oven is being energised.

When 5+0 switch is combined with gas thermostat, resistances are switched off; only lamps and cooling fan operates. It is possible to use the oven convection fan by selecting on switch knob one of the following modes:

For operating the oven on Dual Energy ranges, see paragraph for use of gas oven. Once the gas oven use is finished, switch off all the oven functions by turning the gas thermostat knob and 5+0 switch knob to position 0(zero).

## USING THE 9 + 0 SWITCH

The 9 + 0 switch installed in the multifunction oven models is used, along with the thermostat, to control the electric fan and the oven elements since they can be turned on by turning the 9 + 0 switch knob and the thermostat knob. Turning just one of the two knobs will not have any effect on the oven except to turn on the oven light or the electric fan when inserted. The electric oven is heated by 4 elements: one on the bottom, two on the top or one circular; turning the switch knob (fig.32) turns on the element relative to the symbol indicated on the ring but to be activated the thermostat knob must be turned until the orange light turns on indicating that the element has been turned on. Placing the switch knob on any of the nine operating modes turns on the oven light, together with the relative element. Once the temperature and the elements to be used have been set, the oven elements are turned on and off by the thermostat; therefore, it is normal for the orange light to turn on and off while the oven is working.
To turn off the electric oven set the switch knob to position 0 to prevent the thermostat from controlling the elements. Setting the thermostat knob to position 0 turns off the elements but it is still possible, using the switch, to turn on the electric fan and the oven light.
The switch has 9 different fixed positions corresponding to 9 different types of oven operation:

- the symbol indicates that only the oven light is turned on;
- the symbol indicates that the bottom element (1800W) and the top external element (1200W) have been turned on;

- the symbol indicates that only the top external element (1200W) has been turned on;

- the symbol indicates the only the bottom element (1800W) has been turned on;

- the symbol indicates that only the grill element (1800W) has been turned on;

- the symbol indicates that the top external element (1200W) and the grill element (1800W) have been turned on;

- the symbol indicates that the top external element (1200W), the grill element (1800W) and the electric fan have been turned on;

- the symbol indicates that the circular element (3000W) and the electric fan have been turned on;

- the symbol indicates that only the electric fan has been turned on.

When the knob is set to one of these nine positions, the oven light is always on, thus indicating that the oven is being energised.

## USING THE NATURAL CONVENTIONAL ELECTRIC OVEN

When using the oven for the first time it should be operated for a maximum of 30 minutes at a temperature of about 250° to eliminate any odours generated by the internal insulation. During normal oven use, select the desired cooking temperature using the thermostat knob and wait until the orange light turns off before putting in any food. The oven is equipped with 4 guides at different heights (fig.28a) which can be used to insert shelves or the tray. To keep the oven as clean as possible it is recommended to cook meat on the tray or on the shelf that has been inserted inside the tray. Table No. 7 below lists the cooking times and the position of the tray for different types of foods. Personal experience will help to determine any variations in the values reported in the table. In any case, it is recommended to follow the instructions of the specific recipe being used.

TABLE N°7

| NATURAL CONVENTIONAL ELECTRIC OVEN COOKING TABLE | | | |
|---|---|---|---|
| | **TEMP °C** | **HEIGHT** | **MINUTES** |
| **MEAT** | | | |
| PORK ROAST | 225 | 3/4 | 60-80 |
| BEEF ROAST (YOUNG STEER) | 225 | 3/4 | 60-80 |
| BEEF ROAST | 250 | 3/4 | 50-60 |
| VEAL ROAST | 225 | 3/4 | 60-80 |
| LAMB ROAST | 225 | 3 | 40-50 |
| ROAST BEEF | 230 | 3/4 | 50-60 |
| ROAST HARE | 250 | 3/4 | 40-50 |
| ROAST RABBIT | 250 | 3 | 60-80 |
| ROAST TURKEY | 250 | 3 | 50-60 |
| ROAST GOOSE | 225 | 3 | 60-70 |
| ROAST DUCK | 250 | 3/4 | 45-60 |
| ROAST CHICKEN | 250 | 3/4 | 40-45 |
| | | | |
| **FISH** | 200-225 | 2 | 15-25 |
| | | | |
| **PASTRY** | | | |
| FRUIT PIE | 225 | 2 | 35-40 |
| TEA CAKE | 175-200 | 2 | 50-55 |
| BRIOCHES | 175-200 | 2 | 25-30 |
| SPONGE CAKE | 220-250 | 2 | 20-30 |
| RING CAKE | 180-200 | 2 | 30-40 |
| SWEET PUFF PASTRIES | 200-220 | 2 | 15-20 |
| RAISIN LOAF | 250 | 2 | 25-35 |
| STRUDEL | 180 | 2 | 20-30 |
| SAVOIA COOKIES | 180-200 | 2 | 40-50 |
| APPLE FRITTERS | 200-220 | 2 | 15-20 |
| SAZOIARDI SANDWICH | 200-220 | 2 | 20-30 |
| TOAST SANDWICH | 250 | 3 | 5 |
| BREAD | 220 | 3 | 30 |
| PIZZA | 220 | 2 | 20 |

## USING THE VENTILATED ELECTRIC OVEN

When using the oven for the first time it should be operated for a maximum of 30 minutes at a temperature of about 250° to eliminate any odours generated by the internal insulation.

Before cooking, allow the oven to reach the desired temperature setting waiting for the orange light to turn off. This type of oven is equipped with a circular element around which a fan has been installed that creates forced-air circulation in the horizontal direction. Thanks to this type of operation, the ventilated oven can be used for different types of cooking at the same time, without changing the taste of each food. Only some models are equipped with a removable metallic filter applied to the rear screen which collects the fat while a roast is cooking. Therefore, it is recommended to remove this fat periodically, washing the screen with soapy water and rinsing thoroughly. To remove the metallic filter just apply slight pressure toward the top on the tab indicated by the arrow. Hot-air circulation guarantees a uniform distribution of heat. Pre-heating the oven is not necessary, but for very delicate pastries, it is recommended to heat the oven before inserting the trays.
The ventilated conventional system partially changes the various notions about traditional cooking. Meat no longer needs to be turned while it is cooking and the rotisserie is no longer needed to cook a roast on the spit. Just put the meat directly on the shelf.

TABLE N°8

| VENTILATED ELECTRIC OVEN COOKING TABLE | | | |
|---|---|---|---|
| | **TEMP °C** | **HEIGHT** | **MINUTES** |
| **MEAT** | | | |
| PORK ROAST | 160-170 | 2 | 70-100 |
| BEEF ROAST (YOUNG STEER) | 170-180 | 2 | 65-90 |
| BEEF ROAST | 170-190 | 2 | 40-60 |
| VEAL ROAST | 160-180 | 2 | 65-90 |
| LAMB ROAST | 140-160 | 2 | 100-130 |
| ROAST BEEF | 180-190 | 2 | 40-45 |
| ROAST HARE | 170-180 | 2 | 30-50 |
| ROAST RABBIT | 160-170 | 3 | 80-100 |
| ROAST TURKEY | 160-170 | 3 | 160-240 |
| ROAST GOOSE | 160-180 | 3 | 120-160 |
| ROAST DUCK | 170-180 | 2 | 100-160 |
| ROAST CHICKEN | 180 | 2 | 70-90 |
| | | | |
| **FISH** | 160-180 | 2-3 | |
| | | | |
| **PASTRY** | | | |
| FRUIT PIE | 180-200 | 2 | 40-50 |
| TEA CAKE | 200-220 | 2 | 40-45 |
| BRIOCHES | 170-180 | 2 | 40-60 |
| SPONGE CAKE | 200-230 | 2 | 25-35 |
| RING CAKE | 160-180 | 2 | 35-45 |
| SWEET PUFF PASTRIES | 180-200 | 2 | 20-30 |
| RAISIN LOAF | 230-250 | 2 | 30-40 |
| STRUDEL | 160 | 2 | 25-35 |
| SAVOIA COOKIES | 150-180 | 2 | 50-60 |
| APPLE FRITTERS | 180-200 | 2 | 18-25 |
| SAZOIARDI SANDWICH | 170-180 | 2 | 30-40 |
| TOAST SANDWICH | 230-250 | 3 | 7 |
| BREAD | 200-220 | 3 | 40 |
| PIZZA | 200-220 | 2 | 20 |

## POSITIONING THE OVEN TRAYS & SHELVES

The Grill Tray or Oven Shelf can be located in any of the four height positions in the oven (See Fig. 28a).

Refer to the 'Oven Cooking Tables' for the recommended shelf position. When fitting the trays or shelves, ensure they are fitted between the two wires that are closest together (See Fig. 28b).

Oven Shelves have a stop so that they are not fully withdrawn by accident. To fully remove the Oven Shelves, lift the front of the shelf slightly and withdraw fully from the oven. (See Fig. 28d) Note that the Grill Tray does not have a stop position and can be fully withdrawn without interruption, so be careful not to accidentally fully withdraw the tray.

To remove the Oven Shelf Support, remove the top and bottom screws shown in Fig 28c and then pull the support from the holes in the rear oven wall. Repeat for opposite side. Replace in reverse procedure.

## USING THE CONVENTIONAL ELECTRIC GRILL

The electric grill can also be combined with the gas oven or electric oven.
In both cases, the grill is controlled using the oven's temperature knob (see also, Using the gas or electric oven). Like the gas grill, the electric grill can be used for grilling on the oven's grill. The static electric grill must be used with the door closed. The temperature set on the thermostat (when present) must not exceed 150°C.

**Grilling on the shelf**: In this case, the shelf supplied is placed on level 1 or 2 and the foods to be grilled are placed on top, while the tray is inserted on the lower levels to collect the cooking juices. Then turn on the grill element switching the thermostat to the relative position (electric oven version).
**WARNING: Accessible parts may become hot when the grill is in use. Children should be kept away.**

## USING THE VENTILATED ELECTRIC GRILL

The ventilated electric grill is a special function equipped only on the multifunction oven. Set the 9 + 0 switch to the relative position to activate the grill element and the electric fan. Generally, to ensure excellent grilling, place the oven shelf in the middle position while the oven tray should be inserted at the bottom.
**IMPORTANT: When using the ventilated electric grill, set the thermostat knob no higher than 175 °C, which is between the 150 °C and 200 °C setting, to avoid overheating the front of the appliance. In fact, ventilated grilling must be carried out with the door closed.**

**Note:** The cooker is equipped with the cooling fan that starts operation each time the oven knob is on a position different from 0 (zero). The fan circulates the air between the control panel and the oven door and also allows the control panel and the oven door stay at a warm temperature during the appliance operation in any condition.

## USING THE SELF-CLEANING OVEN

In the cookers where this feature is foreseen , the self-cleaning oven differs from the standard one for the fact that its internal surfaces are enamelled with a special microporous material which absorbs and eliminates the greasy particles during the cooking. In case of spillage of greasy liquids, the self-cleaning action becomes not efficient, therefore it will be necessary to clean the oven properly. Proceed in the following way: (a) wipe a humid sponge on the grease stains; (b) heat up the oven to the maximum temperature; (c) wait 5 minutes and then switch off the oven**;** (d) wait until the oven gets cool again; (e) wipe again the humid sponge on all the surface. Do not use detergent in any case.

## ABNORMAL OPERATION

Any of the following are considered to be abnormal operation and may require servicing:

- Yellow tipping of the burner flame.
- Sooting up of cooking utensils.
- Burners not igniting properly.
- Burners failing to remain alight.
- Burners extinguished by cupboard doors.
- Gas valves, which are difficult to turn.

In case the appliance fails to operate correctly, contact Bertazzoni.

## CLEANING THE APPLIANCE

**Before cleaning the appliance, it should be disconnected from the power supply and turn off the main gas feeder valve.**
**Cleaning the work surface:**
Periodically clean the burner heads, the enamelled steel grids, the enamelled covers and the flame caps using warm soapy water. Then those parts should be rinsed and thoroughly dried.
**Any liquid that overflows from pots must always be removed using a rag.**
**If it becomes difficult to open or close a valve, do not force it, but immediately request the assistance of the technical service personnel.**
**Cleaning the enamelled parts:**
To maintain the original features of the enamelled parts they should be cleaned frequently with soapy water. Never use abrasive powders. Do not leave acidic or alkaline substances on the enamelled parts (vinegar, lemon juice, salt, tomato sauce, etc.) and do not wash the enamelled parts while they are still hot.
**Cleaning the STAINLESS steel parts:**
Clean the parts with soapy water and then dry them with a soft cloth. The shine is maintained by periodically using special products that generally are found in the market. Never use abrasive powders.
**Cleaning the burner flame caps:**
Since the flame caps are resting on the burner, to clean them just remove them from their seat and wash them with soapy water. After they have been thoroughly dried and having checked that the holes are not clogged, they can be replaced in their proper position.

**Cleaning the inner glass door:** Clean the glass with warm soapy water using a sponge. A spatula can be used to remove burner fat if used gently.

**ATTENTION:** while cleaning the door make sure to avoid any spillage in the venting holes on the top part of the door. To clean inside the door it is necessary to disassemble the door through a service engineer.

**ATTENTION:** for further details about cleaning of the appliance, please contact your applliance retailer.

# AFTER-SALES TECHNICAL SERVICE AND SPARE PARTS

## TECHNICAL SERVICE AND SPARE PARTS

Before leaving the factory, this appliance was tested and adjusted by specialist skilled staff to give the best operating results. Any subsequent necessary repairs or adjustments must be carried out with the greatest care and attention by authorised personnel. For this reason, we strongly advise you contact the ***Bertazzoni Service Center***, specifying the nature of the problem, the model of the equipment and the serial number. This data is provided on the data label adhered to the base of the appliance and on the duplicate data label. Always use original ***Bertazzoni spare parts***.


BERTAZZONI GROUP ABN 38 069 686 326
650 Bridge Road, Richmond, Victoria 3121
Service & Spare Parts: 1300 748 308
Bertazzoni After Sales Service - P.O. Box 543 SOMERTON VIC 3061
Email: customercare@bertazzonigroup.com.au

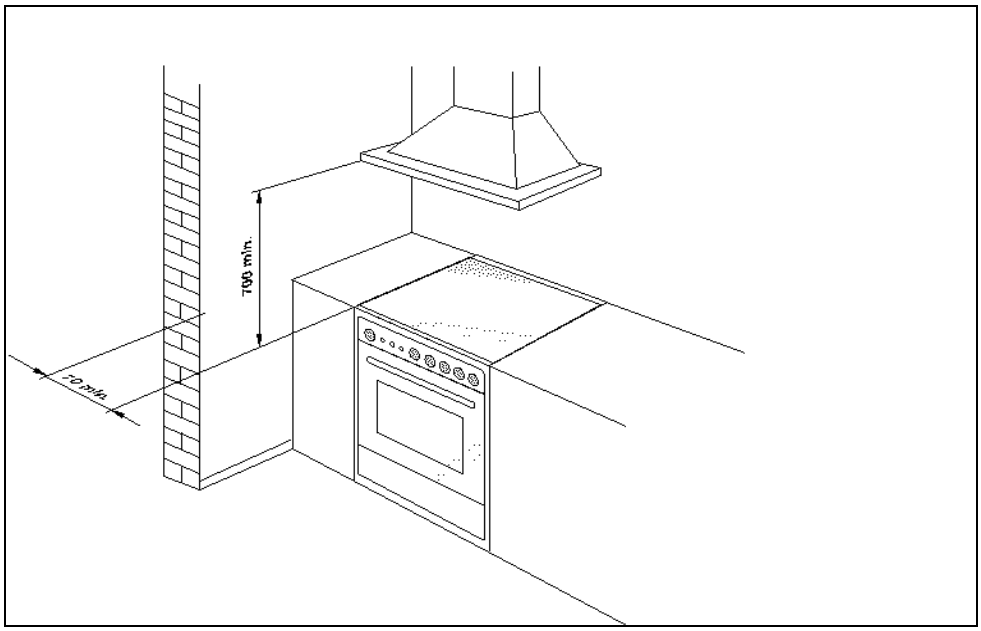



Fig. 1

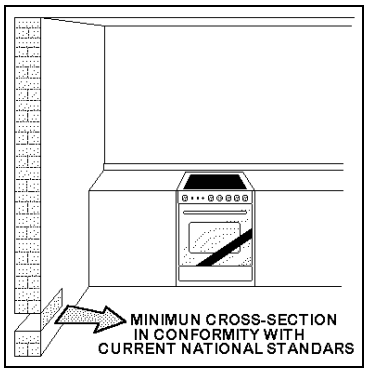



Fig. 3

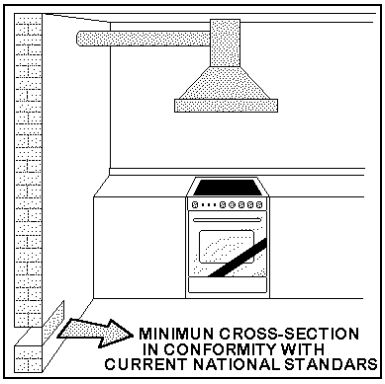



Fig. 4

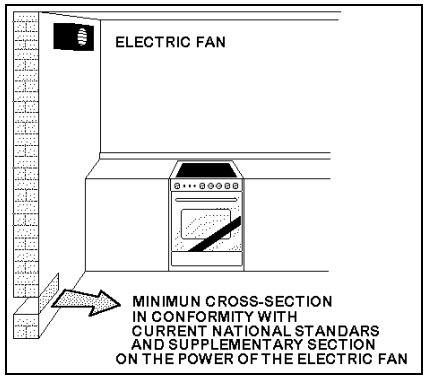



Fig. 5

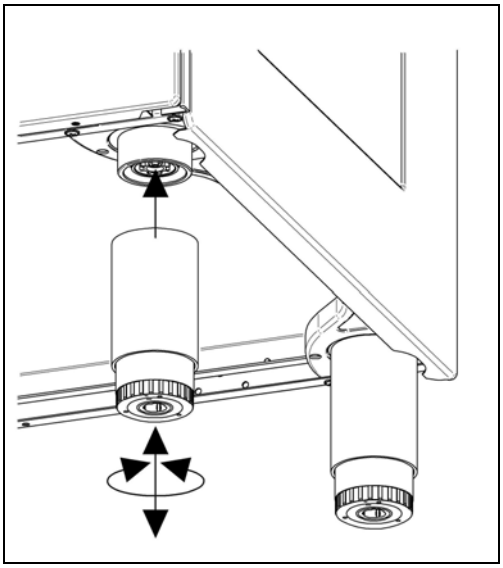


Fig.6

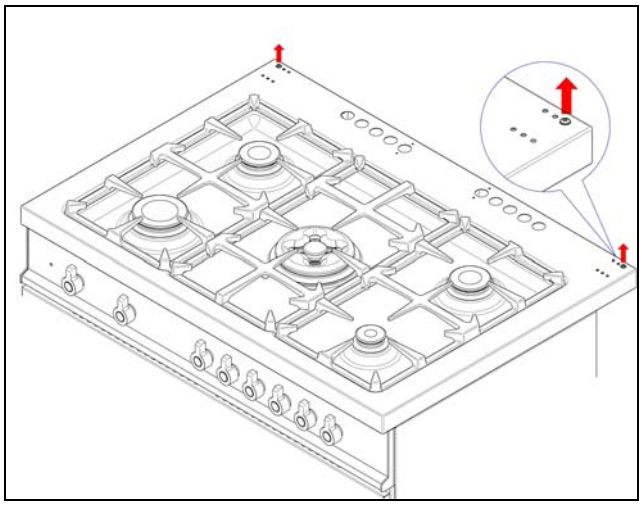


Fig.7

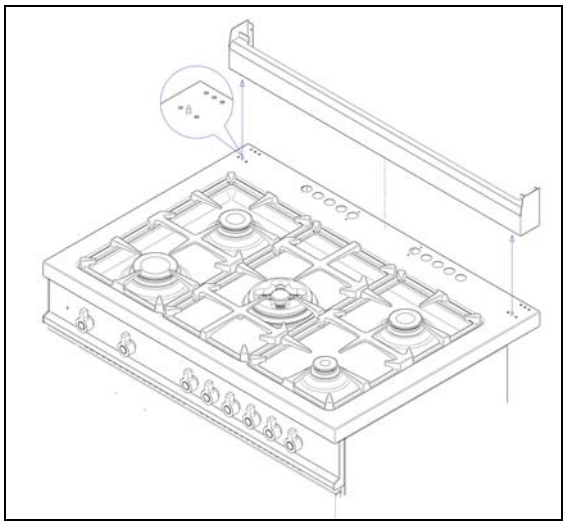


Fig.8

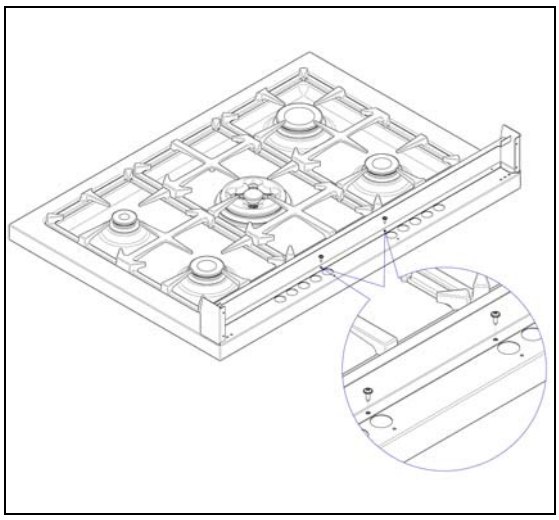


Fig.9

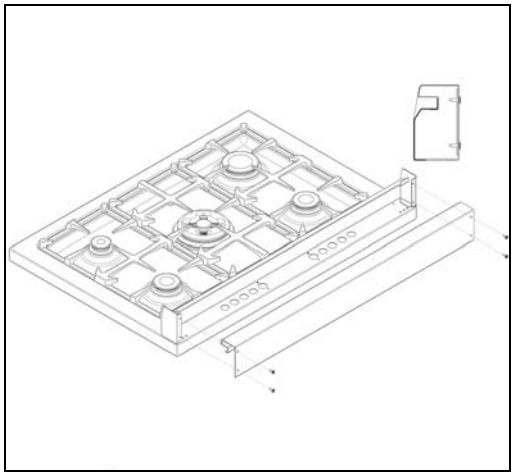


Fig.10

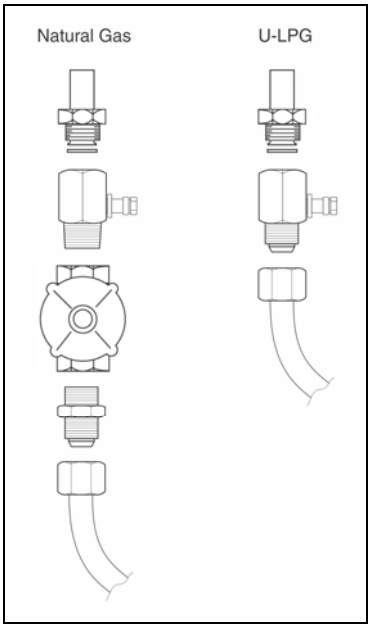



Fig.11

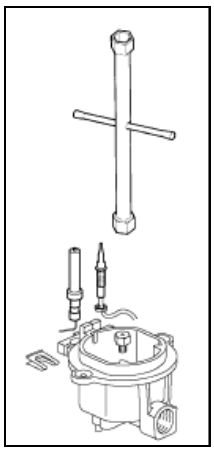


Fig 12

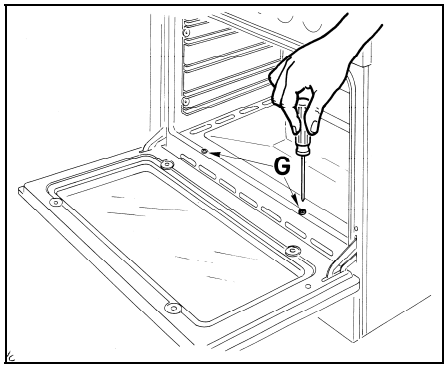



Fig 13

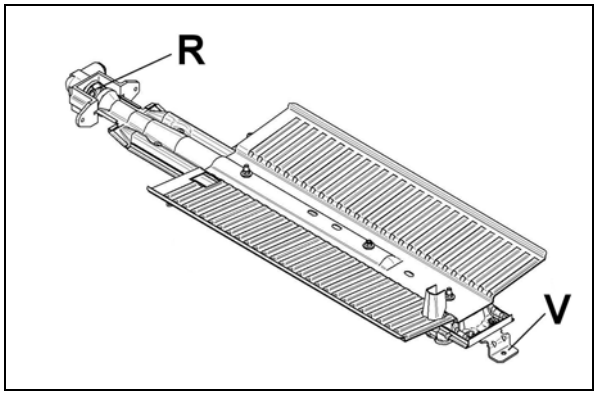
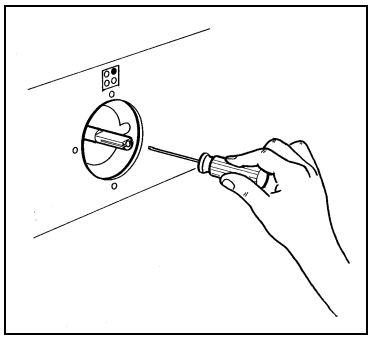



Fig. 14



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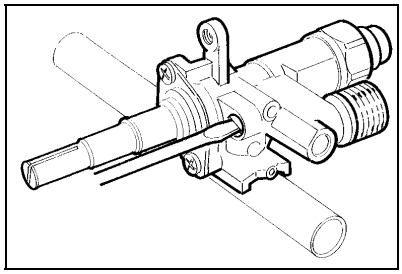


Fig. 16

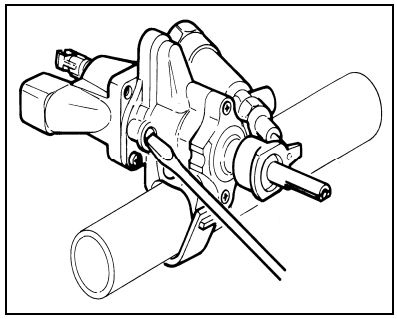


Fig 17

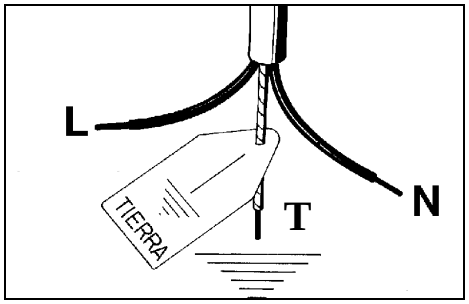



Fig. 18

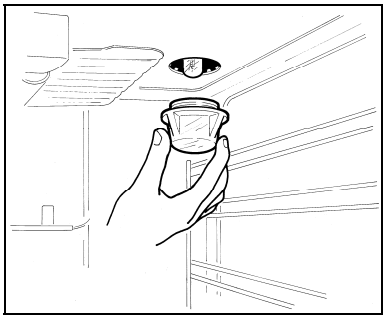


Fig. 19

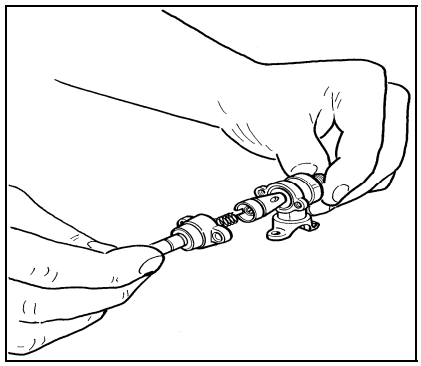


Fig. 20

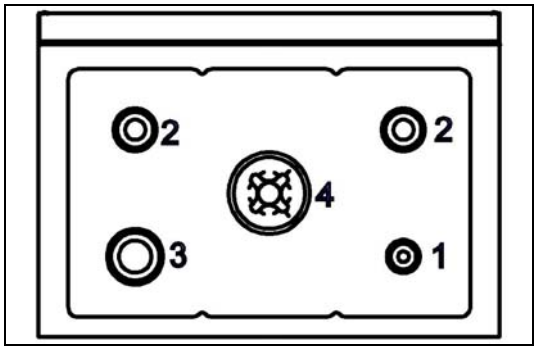



Fig. 21

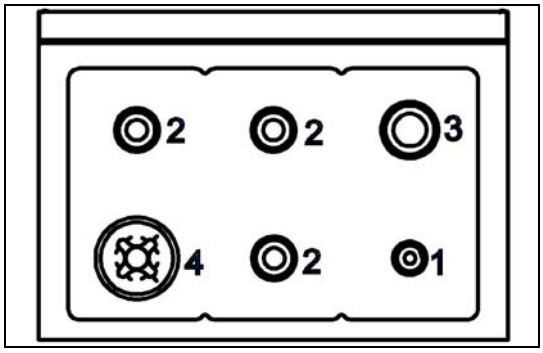



Fig. 22

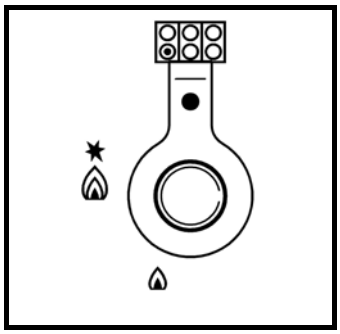


Fig. 23

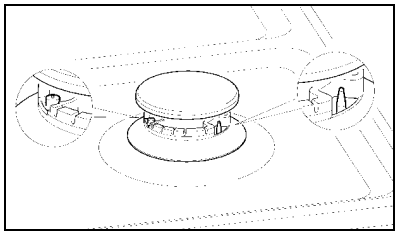


Fig. 24

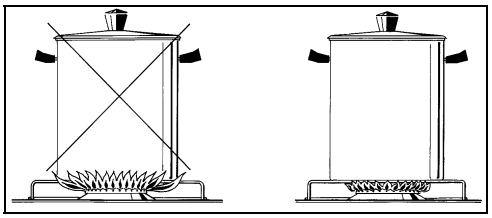


Fig. 25

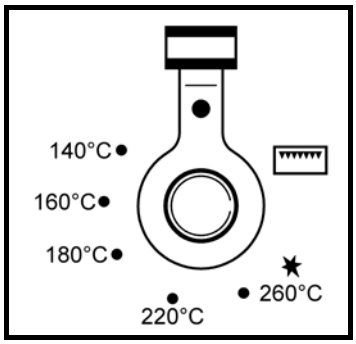


Fig. 26

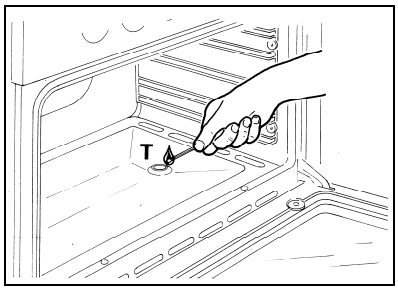


Fig. 27

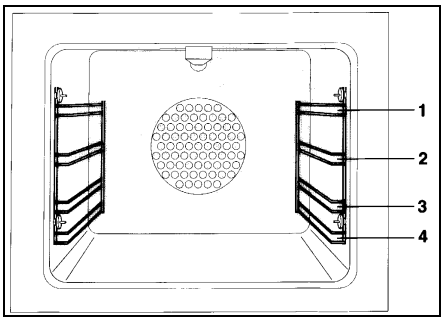


Fig.28a

Fig.28b

Fig.28c

Fig.28d

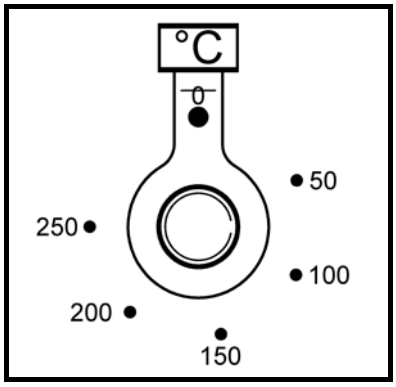


Fig. 29

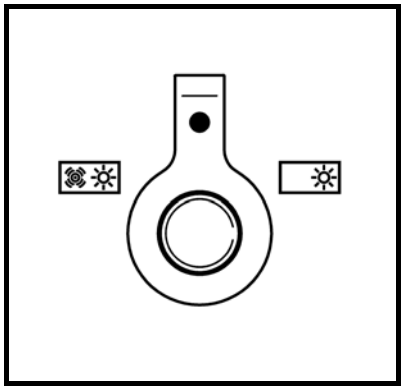


Fig. 30

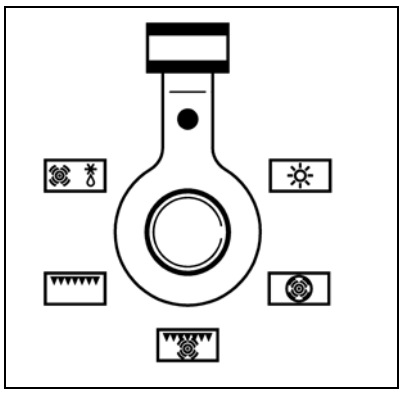


Fig. 31

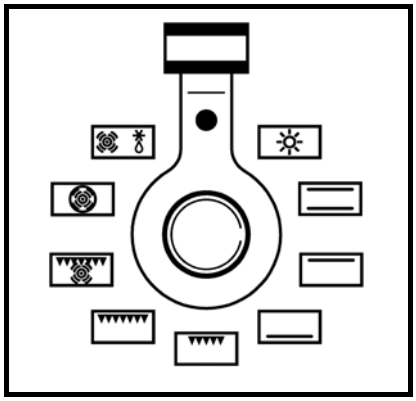
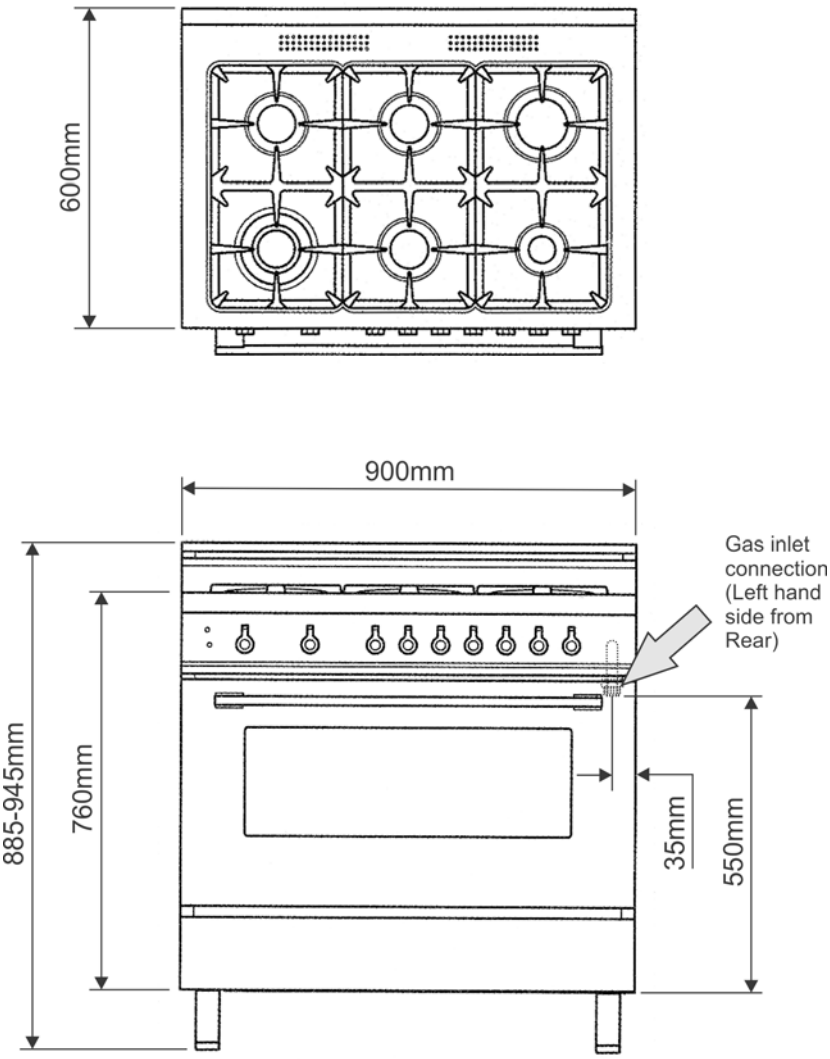


Fig. 32

## OVERALL DIMENSIONS

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